

## SEQUENCE LISTING

<110> MARUYAMA, Akihiko  
 ISHIWATA, Hiroyuki  
 HIGASHIHARA, Takanori  
 FUJITA, Tsunemi

<120> Method of Detecting and Quantitating Microorganism Having Specific Function and Its Gene From Natural Environment, Novel 16S rRNA Gene Data and Probes

<130> P21989

<140> 10/049,626

<141> 2002-02-22

<150> PCT/JP00/05711

<151> 2000-08-24

<160> 9

<170> PatentIn version 3.0

<210> 1

<211> 1532

<212> DNA

<213> *Cycloclasticus pugetii*

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<212> DNA
<213> Cycloclasticus pugetii

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cacaatggag gaaactctga tgcagcaatg ccgcgtgtgt gaagaaggcc ttagggttgt 420
aaagcacttt cagtagggag gaaaagttta aggttaataa ccttagggcc tgacgttacc 480
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<212> DNA

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<213> Cycloclasticus pugetii

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<221> n

<222> (1099)..(1300)

<223> n = a, c, g, t (all four bases)

<400> 3

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cgggcaaagc aggggacctt cgggccttgc gctaatagat gagcctatgt cggattagct      240
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gccacactgg gactgagaca cggcccagac tcctacggga ggcagcagtg gggaatattg      360
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taagtcccg t aacgagcgc n nycttatcct tagttgctac catttagttg ggcactctaa     1140
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<210> 4
<211> 1526
<212> DNA
<213> Cycloclasticus pugetii

<220>
<221> n
<222> (840)..(1300)
<223> n = a, c, g, t (all four bases)

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|  |      |
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| cggctctctg gaccaacact gacgctgagg tgcgaaagcg tgggtagcaa acgggattag  | 780  |
| ataccccggt agtccacgcc gtaaacgatg tcaactaact gttgggcggg tttccgctta  | 840  |
| gtggtgcant aacgcaataa gttgaccgcc tggggagtac ggccgcaagg ctaaaactca  | 900  |
| aatgaattga cgggggcccc cacaagcggg ggagcatgtg gtttaattcg atgcaacgcg  | 960  |
| aagaacctta cctacccttg acatacagag aactttctag agatagattg gtgcttcggg  | 1020 |
| aactctgata caggtgctgc atggctgtcg tcagctcgtg tcgtgagatg ttgggttaag  | 1080 |
| tcccgtaacg agcgcacccc ttatccttag ttgctaccat ttagttgggc actctaagga  | 1140 |
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| ggtagggcta cacacgtgct acaatggccg gtacagaggg ccgcaaactc gcgagagtaa  | 1260 |
| gctaatecct taaagccggt cctagtccgg attgcagtct gcaactcgac tgcataaagc  | 1320 |
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| acaccgcccc tcacaccatg ggagtggggt gcaaaagaag tgggtaggct aacttcggga  | 1440 |
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| gaacctgggg ctggatcacc tcctta                                       | 1526 |

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<220>  
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18

<210> 6  
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<210> 7

<211> 38

<212> DNA

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<223> Primers

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38

<210> 8

<211> 20

<212> DNA

<213> Artificial

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<212> DNA

<213> Artificial

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<223> Primers

<400> 9

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18